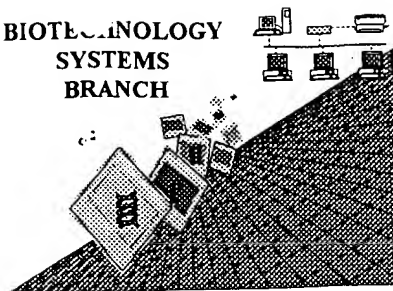


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



NA

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/647,140
Source: Per/09
Date Processed by STIC: 6/18/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821-1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING

DATE: 06/18/2001

PATENT APPLICATION: US/09/647,140

TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt

Output Set: N:\CRF3\06182001\I647140.raw

Does Not Comply
Corrected Diskette Needed

P.6

3 <110> APPLICANT: Fox Chase Cancer Center
 4 Kruh, Gary D.
 5 Lee, Kun
 6 Belinsky, Martin G.
 7 Bain, Lisa J.
 9 <120> TITLE OF INVENTION: MRP-Related ABC Transporter Encoding
 10 Nucleic Acids and Methods of Use Thereof
 12 <130> FILE REFERENCE: FCCC 98-02
 14 <140> CURRENT APPLICATION NUMBER: 09/647,140
 C--> 15 <141> CURRENT FILING DATE: 2001-05-21
 17 <150> PRIOR APPLICATION NUMBER: PCT/US99/06644
 18 <151> PRIOR FILING DATE: 1999-03-26
 20 <150> PRIOR APPLICATION NUMBER: 60/079,759
 21 <151> PRIOR FILING DATE: 1998-03-27
 23 <150> PRIOR APPLICATION NUMBER: 60/095,153
 24 <151> PRIOR FILING DATE: 1998-08-03
 26 <160> NUMBER OF SEQ ID NOS: 18
 28 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 4231
 33 <212> TYPE: DNA
 34 <213> ORGANISM: Homo sapiens
 36 <400> SEQUENCE: 1
 37 ggacaggcgt ggcgggcggga gccccagcat ccctgcttga ggtccaggag cggagcccgc 60
 38 ggccaccgcc gctgatcag cgcgaacccg gcccgcgccc gccccgccc gcaagatgct 120
 39 gcccggtgtac caggagggtga agcccaaccc gctgcaggac gcgaacatct gctcacgcgt 180
 40 gttcttctggt tggctcaatc ccttggttaa aattggccat aaacggagat tagaggaaga 240
 41 tgatatgtat tcagtgtctc cagaagaccg ctacagcac cttggagagg agttgcaagg 300
 42 gttctgggat aaagaagttt taagagctga gaatgacgca cagaagcctt ctttaacaag 360
 43 agcaatcata aagtgttact ggaaatctta tttagttttg ggaattttta cgttaattga 420
 44 ggaaagtgcc aaagtaatcc agcccatatt tttgggaaaa attattaatt attttgaaaa 480
 45 ttatgatccc atggattctg tggttttgaa cacagcgtac gcctatgcca cgggtgctgac 540
 46 tttttgcacg ctcatctttg ctatactgca tcaattatat ttttatcacg ttcagtgtgc 600
 47 tgggatgagg ttacgagtag ccatgtgcca tatgatttat cggaaggcac ttcgtcttag 660
 48 taacatggcc atgggggaaga caaccacagg ccagatagtc aatctgctgt ccaatgatgt 720
 49 gaacaagttt gatcagggtga cagtgttctt acacttcttg tgggcaggac cactgcaggc 780
 50 gatcgacgtg actgccctac tctggatgga gataggaata tcgtgccttg ctgggatggc 840
 51 agttctaatc atttctctgc ccttgcaaaag ctgttttggg aagttgttct catcactgag 900
 52 gagtaaaact gcaactttca cggatgccag gatcaggacc atgaatgaag ttataactgg 960
 53 tataaggata ataaaaatgt acgcctggga aaagtcattt tcaaatctta ttaccaattt 1020
 54 gagaaagaag gagatttcca agattctgag aagttcctgc ctacggggga tgaatttggc 1080
 55 ttogtttttc agtgcaagca aaatcatcgt gtttgtgacc ttcaccacct acgtgctcct 1140
 56 cggcagtggt atcacagcca gccgcgtgtt cgtggcagtg acgctgtatg gggctgtgcg 1200
 57 gctgacgggt accctcttct tcccctcagc cattgagagg gtgtcagagg caatcgtcag 1260
 58 catccgaaga atccagacct ttttgctact tgatgagata tcacagcgca accgtcagct 1320
 59 gccgtcagat ggtaaaaaga tgggtcatgt gcaggatttt actgcttttt gggataaggc 1380
 60 atcagagacc ccaactctac aaggcctttc ctttactgtc agacctggcg aattgttagc 1440

RAW SEQUENCE LISTING

DATE: 06/18/2001

PATENT APPLICATION: US/09/647,140

TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt

Output Set: N:\CRF3\06182001\I647140.raw

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61  tgtggtcggc cccgtgggag cagggaagtc atcaactgtta agtgccgtgc tcggggaatt 1500
62  ggccccaagt cacgggctgg tcagcgtgca tggaagaatt gcctatgtgt ctcagcagcc 1560
63  ctgggtgttc tcgggaactc tgaggagtaa tattttatatt gggaagaaat atgaaaagga 1620
64  acgatatgaa aaagtcataa aggcttgtgc tctgaaaaag gatttacagc tgttgaggga 1680
65  tggatgatctg actgtgatag gagatcgggg aaccacgctg agtgaggggc agaaagcacg 1740
66  ggtaaacctt gcaagagcag tgtatcaaga tgctgacatc tatctcctgg acgatcctct 1800
67  cagtgcagta gatgcggaag ttagcagaca cttgttcgaa ctgtgtattt gtcaaatttt 1860
68  gcatgagaag atcacaattt tagtgactca tcagttgcag tacctcaaag ctgcaagtca 1920
69  gattctgata ttgaaagatg gtaaaatggg gcagaagggg acttacactg agttcctaaa 1980
70  atctggtata gattttggct cccttttaaa gaaggataat gaggaaagtg aacaacctcc 2040
71  agttccagga actcccacac taaggaatcg taccttctca gagtcttcgg tttgggtctca 2100
72  acaatcttct agaccctcct tgaaagatgg tgctctggag agccaagata cagagaatgt 2160
73  cccagttaca ctatcagagg agaaccgttc tgaaggaaaa gttgggtttc aggcctataa 2220
74  gaattacttc agagctgggtg ctcaactggat tgtcttcatt ttccttattc tcctaaacac 2280
75  tgcagctcag gttgcctatg tgcttcaaga ttggtggctt tcatactggg caaacaacaa 2340
76  aagtatgcta aatgtcactg taaatggagg aggaaatgta accgagaagc tagatcttaa 2400
77  ctggtactta ggaatttatt caggtttaac tgtagctacc gttctttttg gcatagcaag 2460
78  atctctattg gtattctacg tccttgtaa ctcttcacaa actttgcaca acaaatgtt 2520
79  tgagtcaatt ctgaaagctc cgggtattatt ctttgataga aatccaatag gaagaatttt 2580
80  aaatcgtttc tccaaagaca ttggacactt ggatgatttg ctgccgctga cgtttttaga 2640
81  tttcatccag acattgctac aagtgggttg tgtggtctct gtggctgtgg ccgtgattcc 2700
82  ttggatcgca atacccttg ttcccttggt aatcattttc atttttcttc ggcgatattt 2760
83  tttggaaacg tcaagagatg tgaagcgctt ggaatctaca actcggagtc cagtgttttc 2820
84  ccacttgtea tcttctctcc aggggctctg gaccatccgg gcatacaaag cagaagagag 2880
85  gtgtcaggaa ctgtttgatg cacaccagga ttacattca gaggcttggg tcttgttttt 2940
86  gacaacgtcc cgctggttcg ccgtccgtct ggatgccatc tgtgccatgt ttgtcatcat 3000
87  cgttgccttt gggctccctga ttctggcaaa aactctggat gccgggcagg ttggtttggc 3060
88  actgtcctat gccctcacgc tcatgggatg gtttcagtgg tgtgttcgac aaagtgtcga 3120
89  agttgagaat atgatgatct cagttagaag ggtcattgaa tacacagacc ttgaaaaaga 3180
90  agcaccttgg gaatatcaga aagccccc accagcctgg ccccatgaag gagtataat 3240
91  ctttgacaat gtgaacttca tgtacagtc aggtgggctt ctgggtactg agcatctgac 3300
92  agcactcatt aaatcacaa aaaagggttg cattgtggga agaaccggag ctggaaaaag 3360
93  ttccctcatc tcagcccttt ttagattgtc agaaccgaa ggtaaaattt ggattgataa 3420
94  gatcttgaca actgaaattg gacttcacga titaaggaa aaaatgtcaa tcatacctca 3480
95  ggaacctgtt ttgttcaact gaacaatgag gaaaaacctg gatcccttta aggagcacac 3540
96  ggatgaggaa ctgtggaatg ccttacaaga ggtacaactt aaagaaacca ttgaagatct 3600
97  tcctggtaaa atggatactg aattagcaga atcaggatcc aattttagtg ttggacaaag 3660
98  acaactggtg tgccttgcca gggcaattct caggaaaaat cagatattga ttattgatga 3720
99  agcgacggca aatgtggatc caagaactga tgagttaata caaaaaaaaaa tccgggagaa 3780
100 atttgcccac tgcaccgtgc taaccattgc acacagattg aacaccatta ttgacagcga 3840
101 caagataatg gtttttagatt caggaagact gaaagaatat gatgagccgt atgttttgc 3900
102 gcaaaataaa gagagcctat tttaacaagat ggtgcaacaa ctgggcaagg cagaagccgc 3960
103 tgccctcact gaaacagcaa aacagggtata cttcaaaaga aattatccac atattggtca 4020
104 cactgaccac atggttacaa acacttccaa tggacagccc tcgaccttaa ctattttcga 4080
105 gacagcactg tgaatccaac caaaatgtca agtccgttcc gaaggcattt tccactagtt 4140
106 tttggactat gtaaaccaaa ttgtactttt ttttactttg gcaacaaata tttatacata 4200
107 caagatgcta gttcatttga atatttctcc c
4231
110 <210> SEQ ID NO: 2
111 <211> LENGTH: 1325

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RAW SEQUENCE LISTING

DATE: 06/18/2001

PATENT APPLICATION: US/09/647,140

TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt

Output Set: N:\CRF3\06182001\I647140.raw

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112 <212> TYPE: PRT
113 <213> ORGANISM: Homo sapiens
115 <400> SEQUENCE: 2
116 Met Leu Pro Val Tyr Gln Glu Val Lys Pro Asn Pro Leu Gln Asp Ala
117   1           5           10           15
118 Asn Ile Cys Ser Arg Val Phe Phe Trp Trp Leu Asn Pro Leu Phe Lys
119           20           25           30
120 Ile Gly His Lys Arg Arg Leu Glu Glu Asp Asp Met Tyr Ser Val Leu
121           35           40           45
122 Pro Glu Asp Arg Ser Gln His Leu Gly Glu Glu Leu Gln Gly Phe Trp
123           50           55           60
124 Asp Lys Glu Val Leu Arg Ala Glu Asn Asp Ala Gln Lys Pro Ser Leu
125           65           70           75           80
127 Thr Arg Ala Ile Ile Lys Cys Tyr Trp Lys Ser Tyr Leu Val Leu Gly
128           85           90           95
129 Ile Phe Thr Leu Ile Glu Glu Ser Ala Lys Val Ile Gln Pro Ile Phe
130           100          105          110
131 Leu Gly Lys Ile Ile Asn Tyr Phe Glu Asn Tyr Asp Pro Met Asp Ser
132           115          120          125
133 Val Ala Leu Asn Thr Ala Tyr Ala Tyr Ala Thr Val Leu Thr Phe Cys
134           130          135          140
135 Thr Leu Ile Leu Ala Ile Leu His His Leu Tyr Phe Tyr His Val Gln
136           145          150          155          160
137 Cys Ala Gly Met Arg Leu Arg Val Ala Met Cys His Met Ile Tyr Arg
138           165          170          175
139 Lys Ala Leu Arg Leu Ser Asn Met Ala Met Gly Lys Thr Thr Thr Gly
140           180          185          190
141 Gln Ile Val Asn Leu Leu Ser Asn Asp Val Asn Lys Phe Asp Gln Val
142           195          200          205
143 Thr Val Phe Leu His Phe Leu Trp Ala Gly Pro Leu Gln Ala Ile Ala
144           210          215          220
145 Val Thr Ala Leu Leu Trp Met Glu Ile Gly Ile Ser Cys Leu Ala Gly
146           225          230          235          240
147 Met Ala Val Leu Ile Ile Leu Leu Pro Leu Gln Ser Cys Phe Gly Lys
148           245          250          255
149 Leu Phe Ser Ser Leu Arg Ser Lys Thr Ala Thr Phe Thr Asp Ala Arg
150           260          265          270
151 Ile Arg Thr Met Asn Glu Val Ile Thr Gly Ile Arg Ile Ile Lys Met
152           275          280          285
153 Tyr Ala Trp Glu Lys Ser Phe Ser Asn Leu Ile Thr Asn Leu Arg Lys
154           290          295          300
155 Lys Glu Ile Ser Lys Ile Leu Arg Ser Ser Cys Leu Arg Gly Met Asn
156           305          310          315          320
157 Leu Ala Ser Phe Phe Ser Ala Ser Lys Ile Ile Val Phe Val Thr Phe
158           325          330          335
159 Thr Thr Tyr Val Leu Leu Gly Ser Val Ile Thr Ala Ser Arg Val Phe
160           340          345          350
161 Val Ala Val Thr Leu Tyr Gly Ala Val Arg Leu Thr Val Thr Leu Phe
162           355          360          365

```

RAW SEQUENCE LISTING

DATE: 06/18/2001

PATENT APPLICATION: US/09/647,140

TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt

Output Set: N:\CRF3\06182001\I647140.raw

```

163 Phe Pro Ser Ala Ile Glu Arg Val Ser Glu Ala Ile Val Ser Ile Arg
164      370      375      380
165 Arg Ile Gln Thr Phe Leu Leu Leu Asp Glu Ile Ser Gln Arg Asn Arg
166 385      390      395      400
167 Gln Leu Pro Ser Asp Gly Lys Lys Met Val His Val Gln Asp Phe Thr
168      405      410      415
169 Ala Phe Trp Asp Lys Ala Ser Glu Thr Pro Thr Leu Gln Gly Leu Ser
170      420      425      430
171 Phe Thr Val Arg Pro Gly Glu Leu Leu Ala Val Val Gly Pro Val Gly
172      435      440      445
173 Ala Gly Lys Ser Ser Leu Leu Ser Ala Val Leu Gly Glu Leu Ala Pro
174      450      455      460
175 Ser His Gly Leu Val Ser Val His Gly Arg Ile Ala Tyr Val Ser Gln
176 465      470      475      480
177 Gln Pro Trp Val Phe Ser Gly Thr Leu Arg Ser Asn Ile Leu Phe Gly
178      485      490      495
179 Lys Lys Tyr Glu Lys Glu Arg Tyr Glu Lys Val Ile Lys Ala Cys Ala
180      500      505      510
181 Leu Lys Lys Asp Leu Gln Leu Leu Glu Asp Gly Asp Leu Thr Val Ile
182      515      520      525
183 Gly Asp Arg Gly Thr Pro Leu Ser Gly Gly Gln Lys Ala Arg Val Asn
184      530      535      540
185 Leu Ala Arg Ala Val Tyr Gln Asp Ala Asp Ile Tyr Leu Leu Asp Asp
186 545      550      555      560
187 Pro Leu Ser Ala Val Asp Ala Glu Val Ser Arg His Leu Phe Glu Leu
188      565      570      575
190 Cys Ile Cys Gln Ile Leu His Glu Lys Ile Thr Ile Leu Val Thr His
191      580      585      590
192 Gln Leu Gln Tyr Leu Lys Ala Ala Ser Gln Ile Leu Ile Leu Lys Asp
193      595      600      605
194 Gly Lys Met Val Gln Lys Gly Thr Tyr Thr Glu Phe Leu Lys Ser Gly
195      610      615      620
196 Ile Asp Phe Gly Ser Leu Leu Lys Lys Asp Asn Glu Glu Ser Glu Gln
197 625      630      635      640
198 Pro Pro Val Pro Gly Thr Pro Thr Leu Arg Asn Arg Thr Phe Ser Glu
199      645      650      655
200 Ser Ser Val Trp Ser Gln Gln Ser Ser Arg Pro Ser Leu Lys Asp Gly
201      660      665      670
202 Ala Leu Glu Ser Gln Asp Thr Glu Asn Val Pro Val Thr Leu Ser Glu
203      675      680      685
204 Glu Asn Arg Ser Glu Gly Lys Val Gly Phe Gln Ala Tyr Lys Asn Tyr
205      690      695      700
206 Phe Arg Ala Gly Ala His Trp Ile Val Phe Ile Phe Leu Ile Leu Leu
207 705      710      715      720
208 Asn Thr Ala Ala Gln Val Ala Tyr Val Leu Gln Asp Trp Trp Leu Ser
209      725      730      735
210 Tyr Trp Ala Asn Lys Gln Ser Met Leu Asn Val Thr Val Asn Gly Gly
211      740      745      750
212 Gly Asn Val Thr Glu Lys Leu Asp Leu Asn Trp Tyr Leu Gly Ile Tyr

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DATE: 06/18/2001

PATENT APPLICATION: US/09/647,140

TIME: 16:26:35

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt

Output Set: N:\CRF3\06182001\I647140.raw

213																	
214	Ser	Gly	Leu	Thr	Val	Ala	Thr	Val	Leu	Phe	Gly	Ile	Ala	Arg	Ser	Leu	
215		770					775					780					
216	Leu	Val	Phe	Tyr	Val	Leu	Val	Asn	Ser	Ser	Gln	Thr	Leu	His	Asn	Lys	
217	785					790					795					800	
218	Met	Phe	Glu	Ser	Ile	Leu	Lys	Ala	Pro	Val	Leu	Phe	Phe	Asp	Arg	Asn	
219					805					810					815		
220	Pro	Ile	Gly	Arg	Ile	Leu	Asn	Arg	Phe	Ser	Lys	Asp	Ile	Gly	His	Leu	
221				820				825						830			
222	Asp	Asp	Leu	Leu	Pro	Leu	Thr	Phe	Leu	Asp	Phe	Ile	Gln	Thr	Leu	Leu	
223			835					840					845				
224	Gln	Val	Val	Gly	Val	Val	Ser	Val	Ala	Val	Ala	Val	Ile	Pro	Trp	Ile	
225		850					855					860					
226	Ala	Ile	Pro	Leu	Val	Pro	Leu	Gly	Ile	Ile	Phe	Ile	Phe	Leu	Arg	Arg	
227	865					870					875					880	
228	Tyr	Phe	Leu	Glu	Thr	Ser	Arg	Asp	Val	Lys	Arg	Leu	Glu	Ser	Thr	Thr	
229					885					890					895		
230	Arg	Ser	Pro	Val	Phe	Ser	His	Leu	Ser	Ser	Ser	Leu	Gln	Gly	Leu	Trp	
231				900					905					910			
232	Thr	Ile	Arg	Ala	Tyr	Lys	Ala	Glu	Glu	Arg	Cys	Gln	Glu	Leu	Phe	Asp	
233			915					920					925				
234	Ala	His	Gln	Asp	Leu	His	Ser	Glu	Ala	Trp	Phe	Leu	Phe	Leu	Thr	Thr	
235		930					935					940					
236	Ser	Arg	Trp	Phe	Ala	Val	Arg	Leu	Asp	Ala	Ile	Cys	Ala	Met	Phe	Val	
237	945					950					955					960	
238	Ile	Ile	Val	Ala	Phe	Gly	Ser	Leu	Ile	Leu	Ala	Lys	Thr	Leu	Asp	Ala	
239					965					970					975		
240	Gly	Gln	Val	Gly	Leu	Ala	Leu	Ser	Tyr	Ala	Leu	Thr	Leu	Met	Gly	Met	
241				980					985					990			
242	Phe	Gln	Trp	Cys	Val	Arg	Gln	Ser	Ala	Glu	Val	Glu	Asn	Met	Met	Ile	
243		995						1000					1005				
244	Ser	Val	Glu	Arg	Val	Ile	Glu	Tyr	Thr	Asp	Leu	Glu	Lys	Glu	Ala	Pro	
245		1010					1015					1020					
246	Trp	Glu	Tyr	Gln	Lys	Arg	Pro	Pro	Pro	Ala	Trp	Pro	His	Glu	Gly	Val	
247	1025					1030					1035					1040	
248	Ile	Ile	Phe	Asp	Asn	Val	Asn	Phe	Met	Tyr	Ser	Pro	Gly	Gly	Pro	Leu	
249					1045					1050					1055		
250	Val	Leu	Lys	His	Leu	Thr	Ala	Leu	Ile	Lys	Ser	Gln	Glu	Lys	Val	Gly	
251				1060					1065								

<210> 9
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Sequence source:/note="synthetic construct"

<400> 9
ctdgtgdgdcg tdgtdggn

18

see item 9 on Ena Summary sheet

F21

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/647,140

DATE: 06/18/2001

TIME: 16:26:36

Input Set : A:\FCCC Kruh ('140) Sequence Listing.txt

Output Set: N:\CRF3\06182001\I647140.raw

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1174 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:9
L:1174 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:1174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:1259 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:16
L:1259 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:16
L:1259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:1270 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:17
L:1270 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:17
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:1282 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:18
L:1282 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:18
L:1282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18